

## ABSTRACT

A controller and resource management system and method with improved security for independently controlling and managing a computer system is provided. Control, management and security protection is provided while functioning: conceptually, logically, functionally, operatively, physically and electrically independent of computer system resources, including processors. All computer system resources, including processors are operatively dependent on the present invention; processors do not execute operating system instructions. Data transferred between the computer system and processors is communicable through the controller and resource management system for improved security. The present invention comprising: Buffer memory, BIOS, device drivers, event handler, system security, scheduler, memory manager, I/O controller, configuration manager, independent watchdog timer and networking interfaces. One method whereby the invention is implemented in hardware for improved security is provided; another method whereby information is communicable between multiple controller and resource management systems, or micronodes <sup>®</sup>, independently of computer system resources, including processors is also provided.